

Claims:

1-6 (canceled)

7.(New) A data processing device comprising:

a memory that stores one or more data sets and programs including one or more applications; and

a processor that executes the programs to function as

an object generator that generates an object containing one or more methods indicating procedures of operation using at least one of the one or more data sets, the one or more methods being called and executed by the processor following an application stored in the memory,

a data access manager that prohibits any access to the one or more data sets by the processor following an application stored in the memory without calling and following a method contained in an object generated by the object generator, and

an object generation manager that allows the object generator to generate, following one application among the one or more applications, an imperfect encapsulated object that is an object containing a method indicating procedures of operation making a specific data set among the one or more data sets accessible by the processor following any one of the one or more applications, only when reliability of the one application meets a predetermined requirement.

8.(New) The data processing device according to claim 7, wherein

the memory stores reliability information indicating degree of reliability of each of the one or more applications, and

the object generation manager allows the object generator to generate an imperfect encapsulated object on the reliability information stored in the memory.

9.(New) The data processing device according to claim 7, further comprising:

a communication interface that receives from a server reliability information indicating degree of reliability of each of the one or more applications; wherein the object generation manager allows the object generator to generate an imperfect encapsulated object on the reliability information received by the communication interface.

10.(New) The data processing device according to claim 7, wherein the object generator generates a perfect encapsulated object that is an object containing no method indicating procedures of operation making the specific data set accessible by the processor following any one of the one or more applications, when the object generator is not allowed by the object generation manager to generate the imperfect encapsulated object.

11.(New) The data processing device according to claim 7, wherein the object generation manager allows the object generator to generate the imperfect encapsulated object only when importance of the specific data set meets a predetermined requirement.

12.(New) The data processing device according to claim 7, wherein the data access manager does not prohibit access to the one or more data sets by the processor without calling and following a method contained in an object generated by the object generator when the processor follows an application that is preinstalled in the memory.

13.(New) The data processing device according to claim 7, wherein the data access manager allows the processor to access only data sets that are stored in a memory area allotted to the one application or in a memory area allotted to all of the one or more applications, when the processor follows the one application.

14.(New) The data processing device according to claim 7, wherein

at least one of the one or more applications is described as a set of intermediate codes required to be converted into executable codes before execution, and

the processor that executes the programs stored in the memory to further function as a converter that converts an application described as a set of intermediate codes into executable codes.